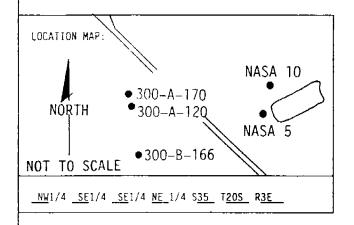
## LITHOLOGIC LOG

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SITE ID: NASA-WSTF LOCATION ID: 300-A-170 SITE COORDINATES (ft.): N <u>230954.59</u> E <u>418517.47</u> GROUND ELEVATION (ft. MSL): 4911.28 (Brass Cap) STATE: <u>NEW MEXICO</u> COUNTY: <u>DOÑA ANA</u> DRILLING METHOD: MUD/AIR-FOAM ROTARY DRILLING CONTR.: <u>LARJON</u> DATE STARTED: 23 FEBRUARY 87 DATE COMPLETED: 26 FEBRUARY 87 FIELD REP.: B. HOBBS/P. LINLEY COMMENTS: Top Bedrock @ ~ 102'. Total Depth = 182'.

LOCATION DESCRIPTION:					
Depth	Visual % Lith	Drilling Time Scale:	Sample Type and Interval	l	ithologic Description
5	++++++++VV: 100 00 00 00 00 00 00 00 00 00 00 00 00	0'-182' not available	0'-127.8' cuttings	0'-5'	SURFICIAL ALLUVIUM Grayish orange pink (5 YR 7/2) to dark gray (N3); cuttings are coarse-grained sand and gravel up to 1" in diameter; subrounded to subangular; poorly sorted. Unconsolidated. Clast lithologies include limestone, rhyolite and quartzite.
10	+++++++VVVV			5'-102'	ALLUVIUM (Santa Fe Group)
15	+ ++ ++ VVVV			5 <b>'</b> -25'	Light brown (5 YR 6/4) to medium dark gray (N4); cuttings are coarse-grained to very coarse-grained sand and gravel; subrounded to subangular; moderate to poorly sorted. Unconsolidated. Clasts: limestone, rhyolite and quartzite.
20	+ + + + + + + VVV : ********************				rnyorite and quartzite.
25	++++++++VV============================			25'-45'	Grayish orange pink (5 YR 7/2) to dark gray (N3); cuttings are coarse-grained to very coarse-grained sand and gravel; subrounded to subangular;
30	+ + + + + + + V V S F 3 0 0 F				poorly sorted. Unconsolidated. Clasts: limestone, quartzite and rhyolite.
35	++++++VV : \$\frac{1}{2}\frac{1}{2				
40					
45	++++++VVIII (			45′-75'	Very pale orange (10 YR 8/2) to medium dark gray (N4); cuttings are very coarse-grained sand and gravel; subrounded to subangular; poorly
50		•			sorted. Caliche coatings on some clasts. Moderately consolidated. Clasts: limestone, quartzite, rhyolite and dolomite.

Page <u>2</u> of <u>3</u> LOCATION ID: 300-A-170 Drilling Time Sample Type Lithologic Description and Interval Depth Visual % Lith Scale: ALLUVIUM (Santa Fe Group) Continued 50 55 60 65 75'-95' Grayish orange (10 YR 7/4) to medium 75 gray (N5); cuttings are very coarsegrained sand and gravel; subangular; moderately to poorly sorted. Caliche coating and cement present. Moderately to well consolidated. Clasts: 80 limestone, rhyolite and quartzite. 85 ###VVVVV 90 95'-102' Grayish orange (10 YR 7/4) to dusky 95 yellowish brown (10 YR 2/2); cuttings are very coarse-grained sand and gravel; subangular to angular; moderately sorted. Well consolidated. Clasts predominantly rhyolite (?) with VIVIVIVIVIA PR 100 .some limestone and quartzite. 102'-182' OREJON ANDESITE VVVVVVVV 102'-115' Grayish red purple (5RP 4/2); very 105 coarse cuttings. Bedrock (?). Clasts are predominantly andesite. VVVVVVVVV 110 Grayish olive green (5 GY 3/2); very coarse cuttings <1/6" to <3/4". 115'-120' 115 Andesite bedrock. Clasts are predominantly epodotized andesite.